

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061518\
 Data File : VW003284.D
 Acq On : 15 Jun 2018 04:42
 Operator : VA/AP
 Sample : J3471-03
 Misc : 3.61G/5ML/MSVOA_W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 #2

Quant Time: Jun 15 06:51:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 08:20:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	147628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	243885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	181639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	60461	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	79198	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
35) Dibromofluoromethane	7.89	113	67881	44.79	ug/l	0.00
Spiked Amount			Recovery	=	89.58%	
50) Toluene-d8	10.33	98	174356	29.02	ug/l	0.00
Spiked Amount			Recovery	=	58.04%	
62) 4-Bromofluorobenzene	12.63	95	53713	25.26	ug/l	0.00
Spiked Amount			Recovery	=	50.52%	

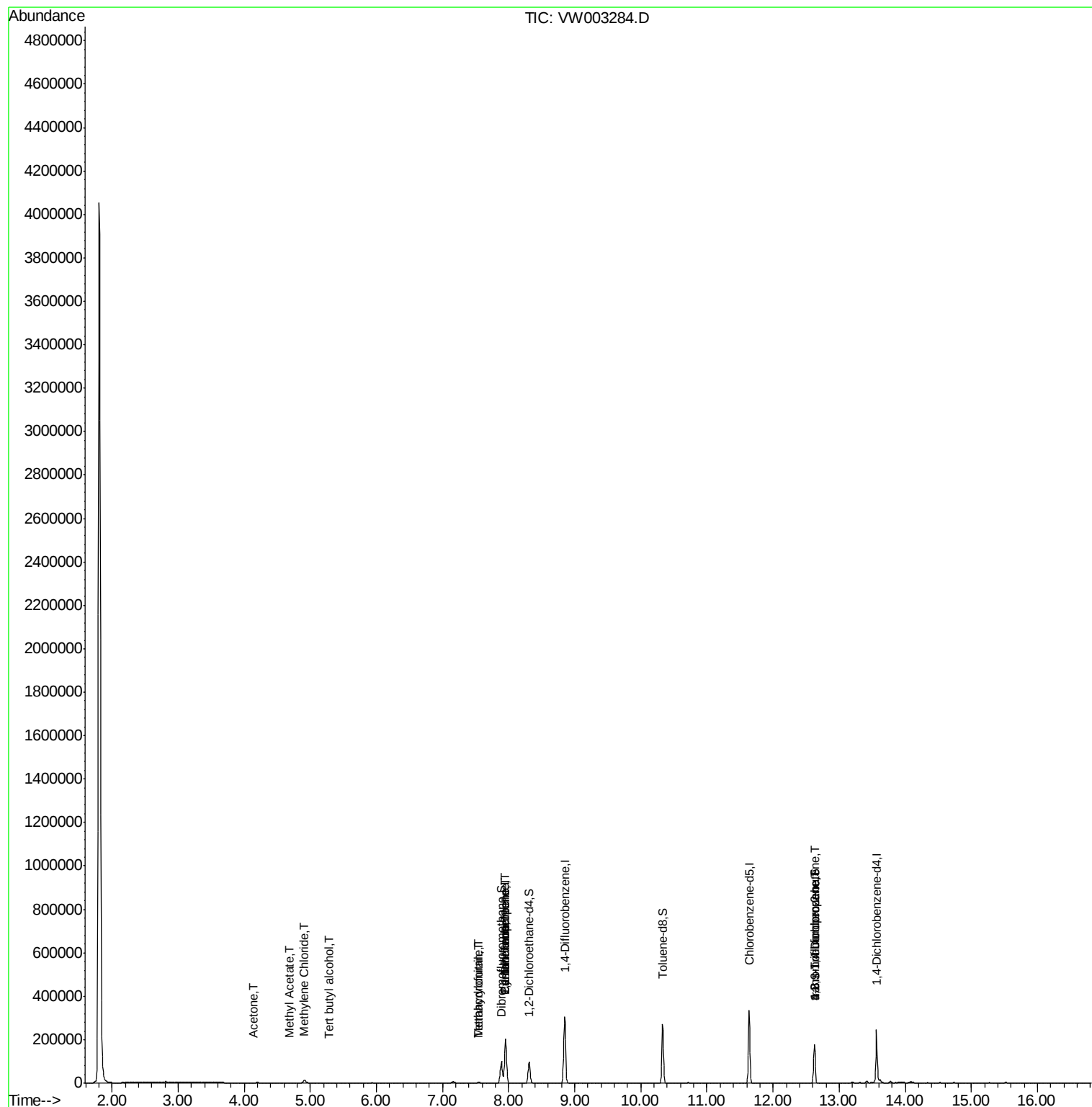
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.28	59	114	1.329	ug/l #	84
16) Acetone	4.14	43	369	1.100	ug/l #	46
18) Methyl Acetate	4.68	43	1543	1.939	ug/l #	68
20) Methylene Chloride	4.92	84	9322	3.100	ug/l	88
29) Tetrahydrofuran	7.54	42	1027	4.030	ug/l #	31
31) Cyclohexane	7.95	56	3775	1.461	ug/l #	40
36) 1,1-Dichloropropene	7.95	75	11714	4.973	ug/l #	50
38) Carbon Tetrachloride	7.95	117	14469	6.263	ug/l #	16
41) Methacrylonitrile	7.54	41	1611	2.691	ug/l #	49
76) 1,2,3-Trichloropropane	12.63	75	28577	55.288	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	28577	127.222	ug/l #	9

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 14 08:20:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003284.D

Acq: 15 Jun 2018 04:42

Instrument :

MSVOA_W

ClientSampled :

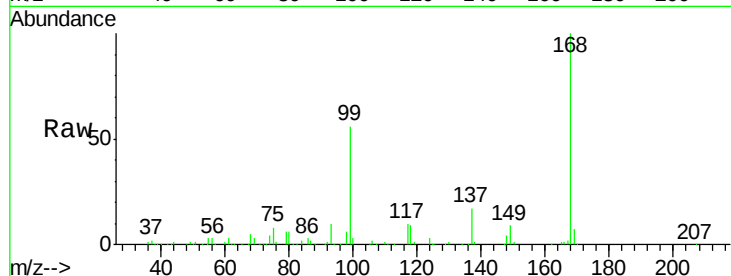
#2

Tgt Ion:168 Resp: 147628

Ion Ratio Lower Upper

168 100

99 56.4 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

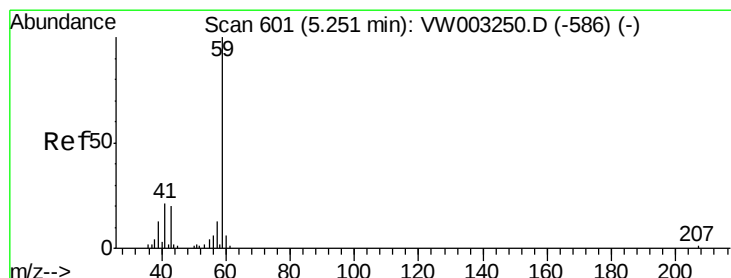
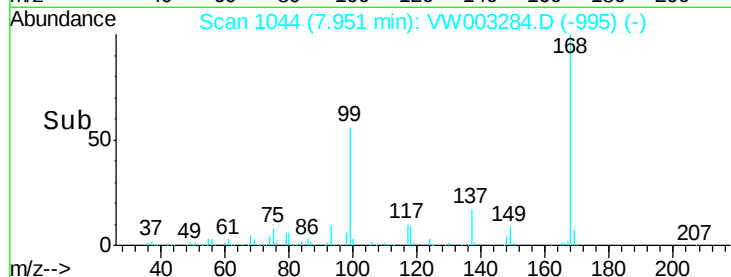
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.329 ug/l

RT: 5.28 min Scan# 606

Delta R.T. 0.03 min

Lab File: VW003284.D

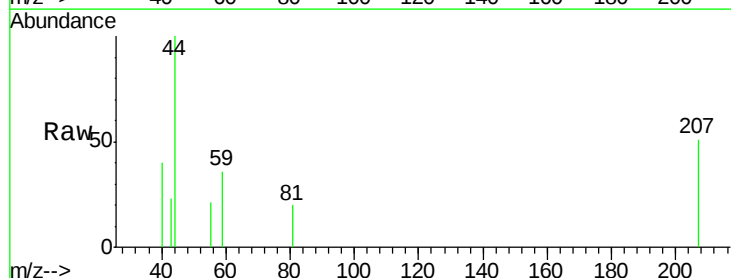
Acq: 15 Jun 2018 04:42

Tgt Ion: 59 Resp: 114

Ion Ratio Lower Upper

59 100

57 0.0 4.2 6.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

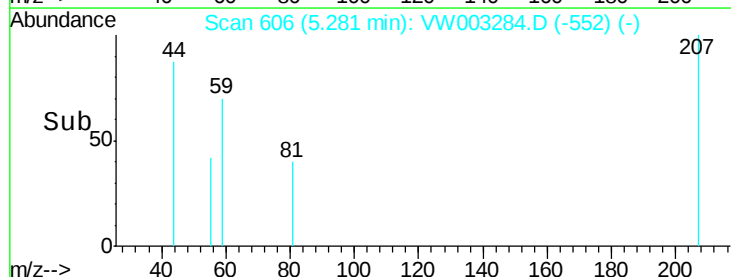
5.28

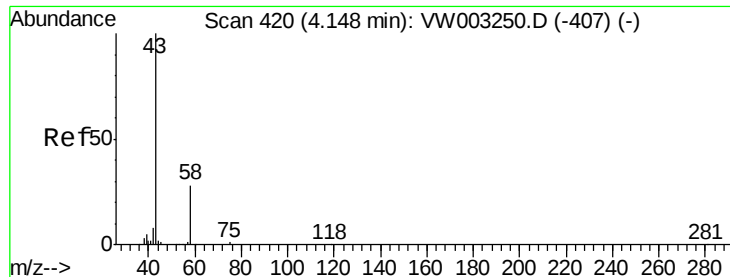
100

50

0

Time-->





#16

Acetone

Concen: 1.100 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.01 min

Lab File: VW003284.D

Acq: 15 Jun 2018 04:42

Instrument :

MSVOA_W

ClientSampleId :

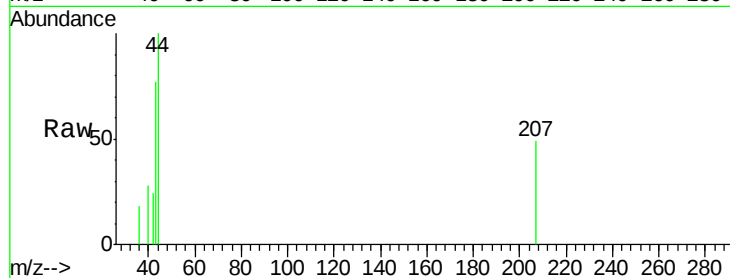
#2

Tgt Ion: 43 Resp: 369

Ion Ratio Lower Upper

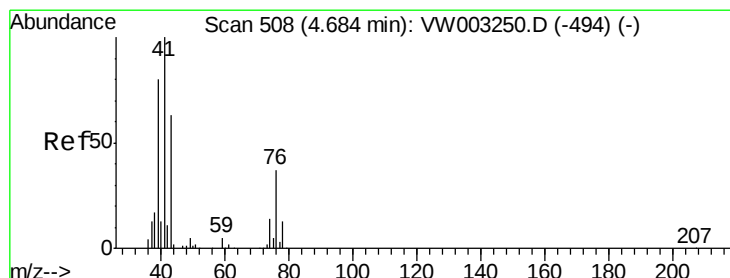
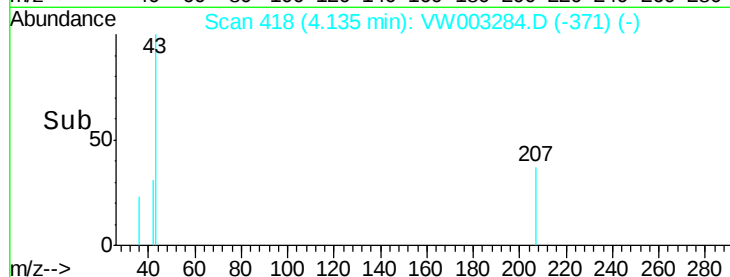
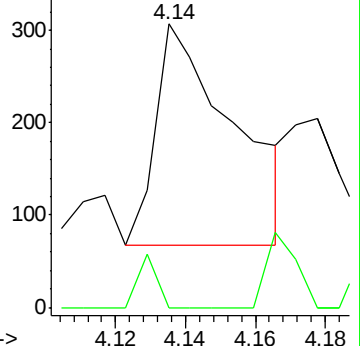
43 100

58 0.0 22.6 34.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.939 ug/l

RT: 4.68 min Scan# 508

Delta R.T. -0.00 min

Lab File: VW003284.D

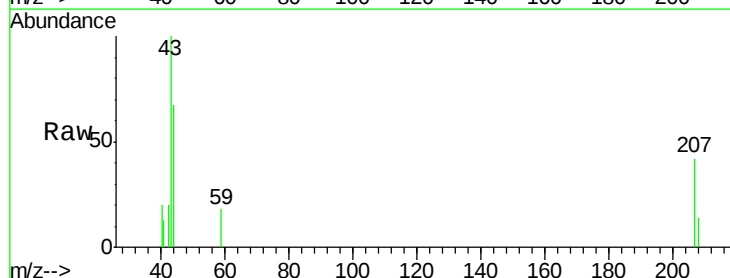
Acq: 15 Jun 2018 04:42

Tgt Ion: 43 Resp: 1543

Ion Ratio Lower Upper

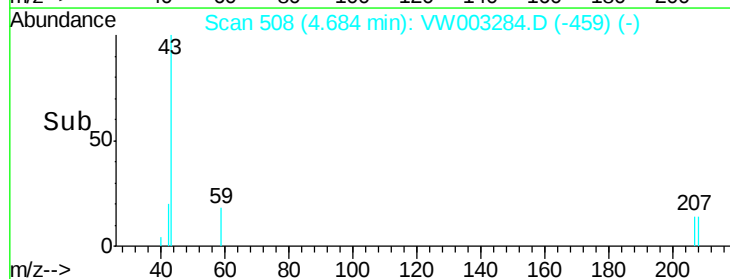
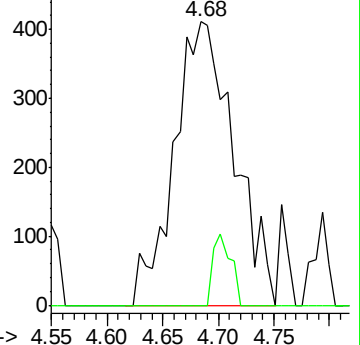
43 100

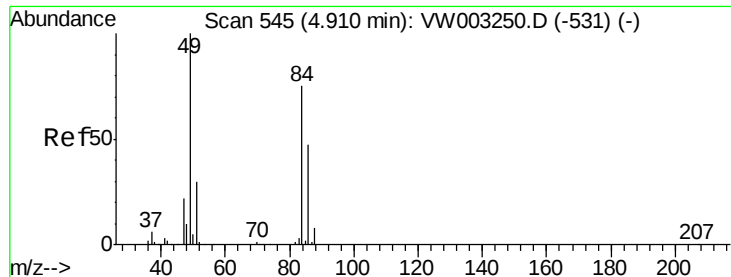
74 7.6 18.7 28.1#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methylene Chloride

Concen: 3.100 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003284.D

Acq: 15 Jun 2018 04:42

Instrument :
MSVOA_W
ClientSampled :
#2

Tgt Ion: 84 Resp: 9322

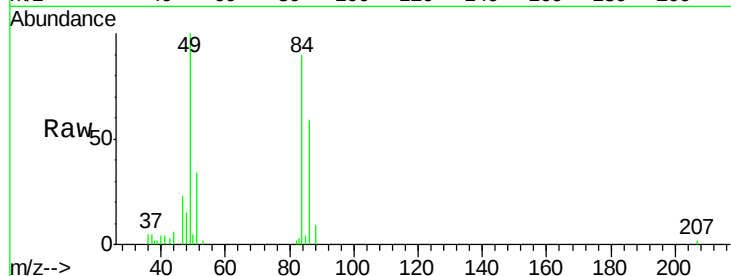
Ion Ratio Lower Upper

84 100

49 110.6 106.3 159.5

51 38.0 32.0 48.0

86 65.0 49.9 74.9

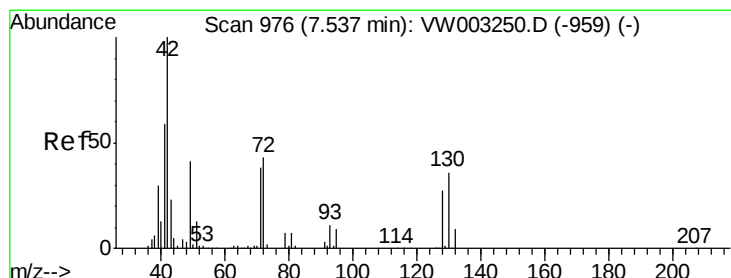
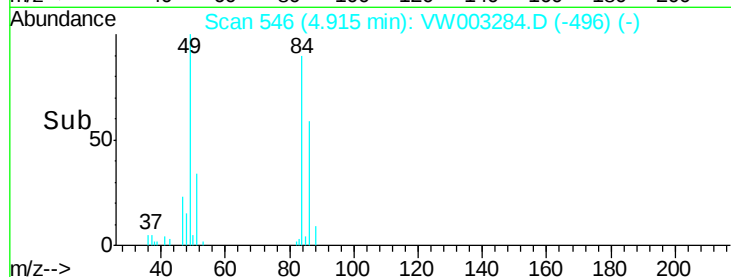
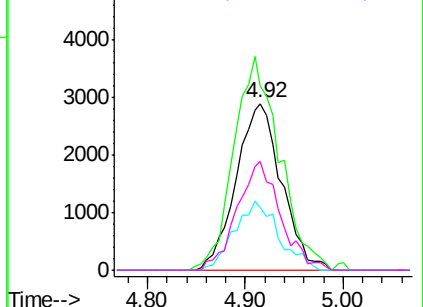


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#29

Tetrahydrofuran

Concen: 4.030 ug/l

RT: 7.54 min Scan# 976

Delta R.T. -0.00 min

Lab File: VW003284.D

Acq: 15 Jun 2018 04:42

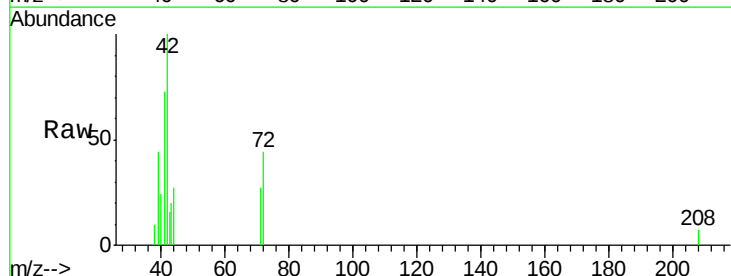
Tgt Ion: 42 Resp: 1027

Ion Ratio Lower Upper

42 100

72 81.6 32.4 48.6#

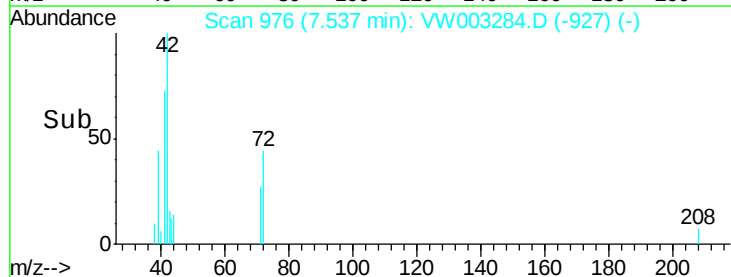
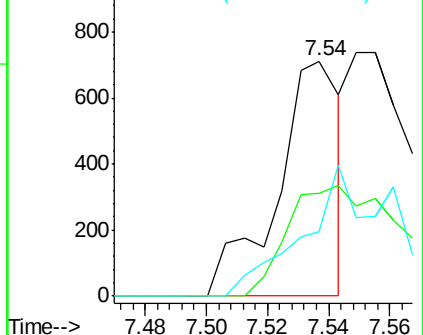
71 83.5 31.2 46.8#

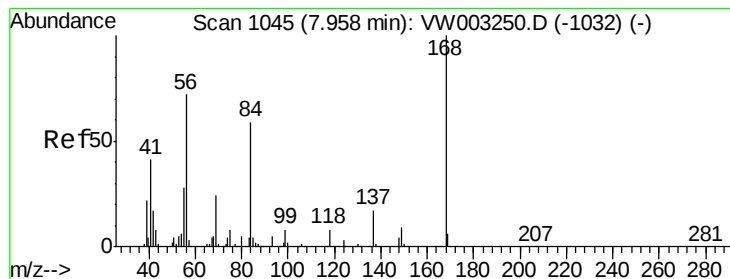


Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW





#31

Cyclohexane

Concen: 1.461 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VW003284.D

Acq: 15 Jun 2018 04:42

Instrument :

MSVOA_W

ClientSampleId :

#2

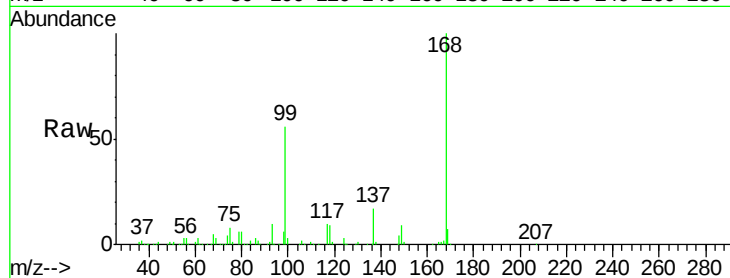
Tgt Ion: 56 Resp: 3775

Ion Ratio Lower Upper

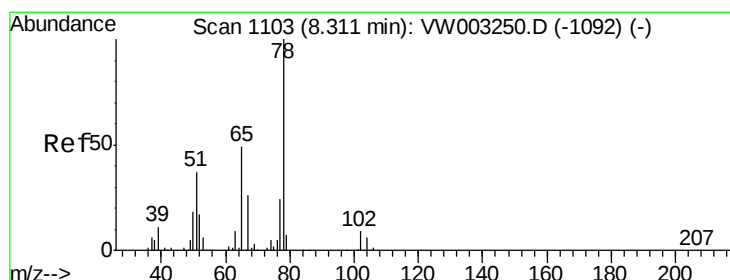
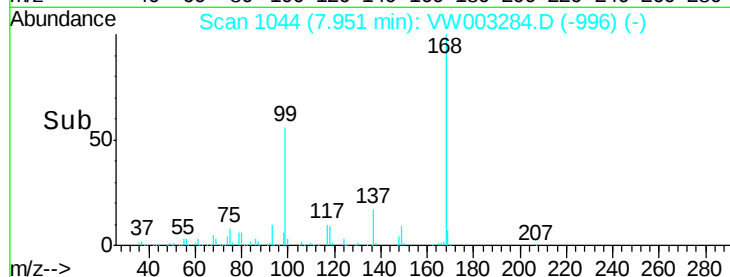
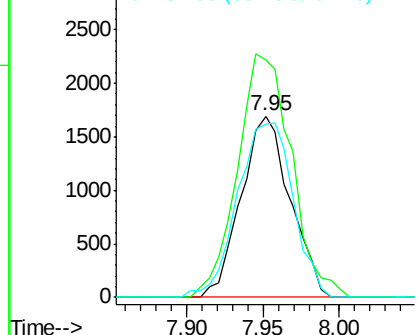
56 100

69 130.8 26.3 39.5#

84 95.6 65.7 98.5



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#33

1,2-Dichloroethane-d4

Concen: 49.528 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW003284.D

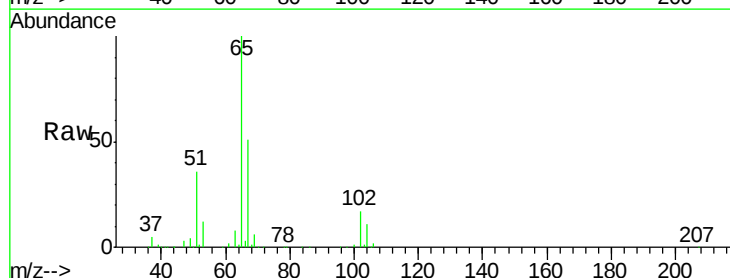
Acq: 15 Jun 2018 04:42

Tgt Ion: 65 Resp: 79198

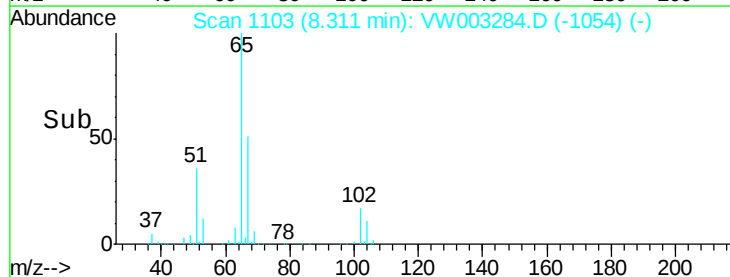
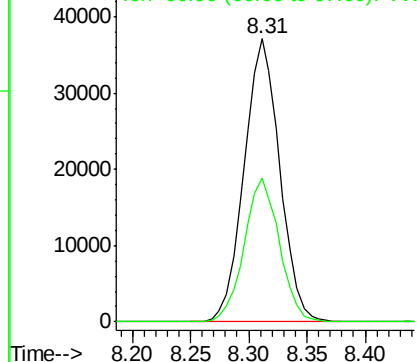
Ion Ratio Lower Upper

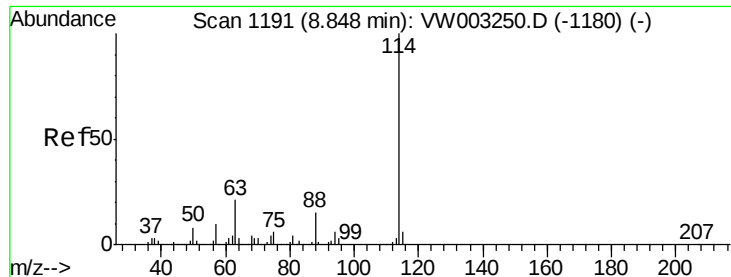
65 100

67 50.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

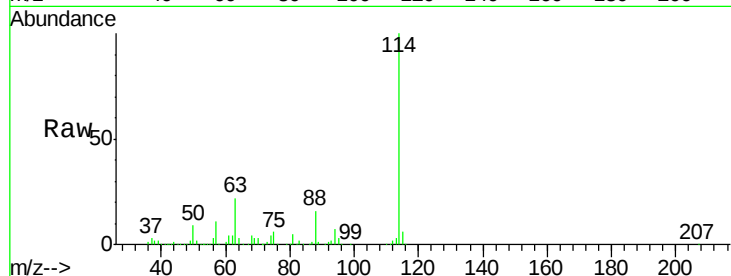




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003284.D
 Acq: 15 Jun 2018 04:42

Instrument :
 MSVOA_W
 ClientSampleId :
 #2

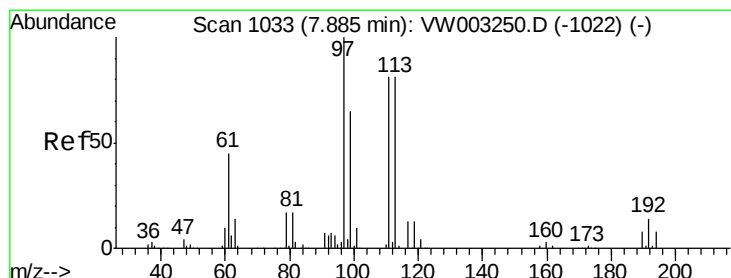
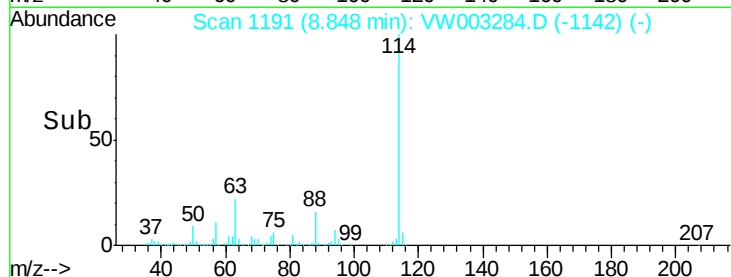
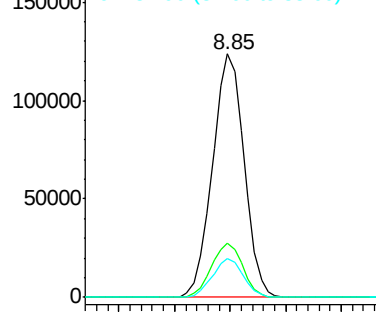
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.0
88	16.1	0.0	29.6



Abundance Ion 113.90 (113.60 to 114.60): V

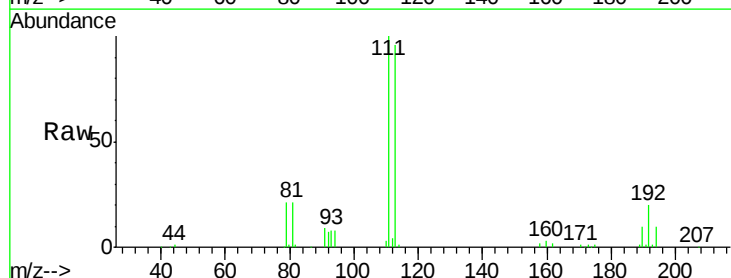
Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35
 Dibromofluoromethane
 Concen: 44.793 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW003284.D
 Acq: 15 Jun 2018 04:42

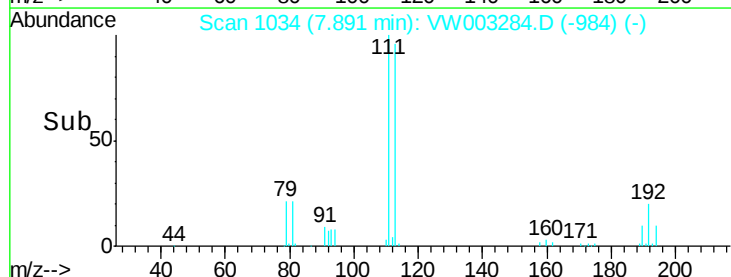
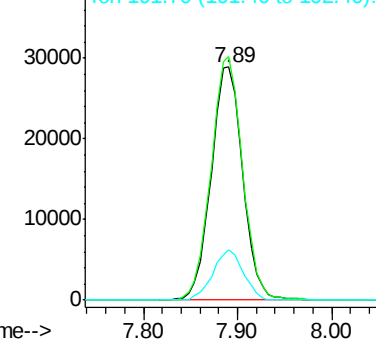
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.2	123.2
192	20.8	16.2	24.2

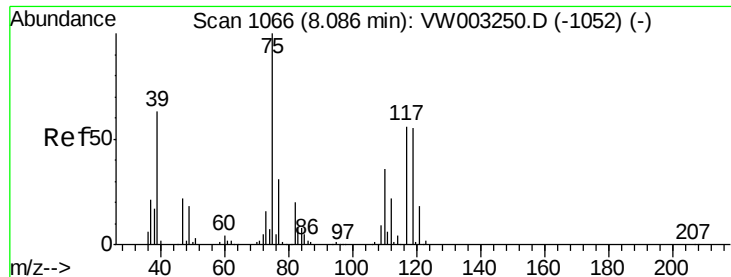


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

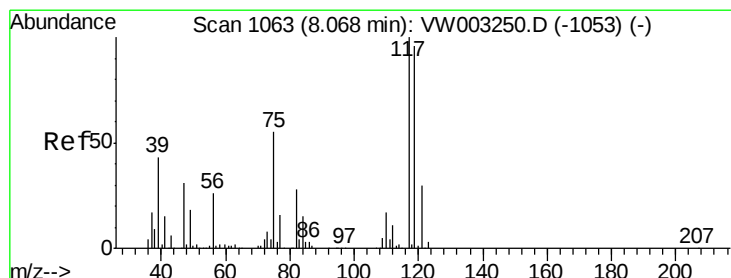
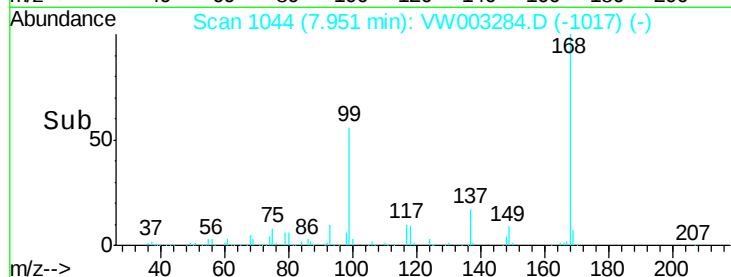
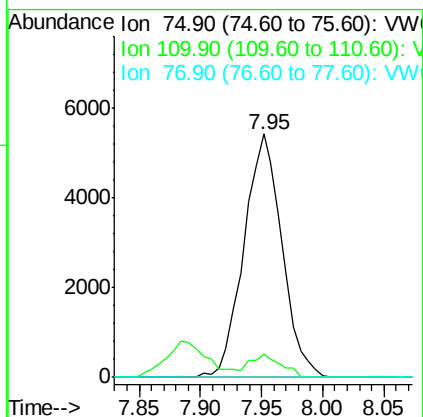
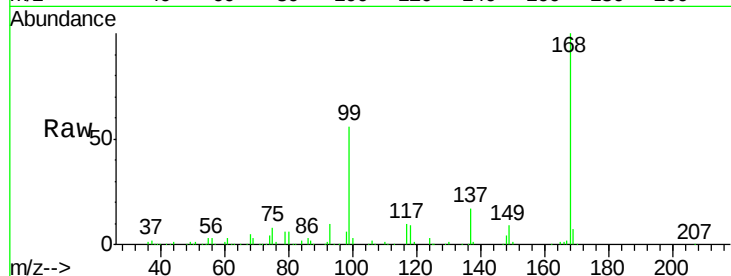




#36
 1,1-Dichloropropene
 Concen: 4.973 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003284.D
 Acq: 15 Jun 2018 04:42

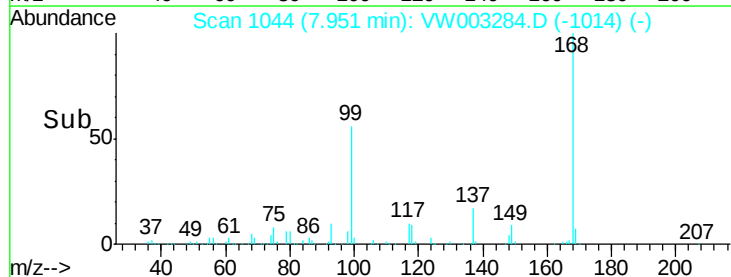
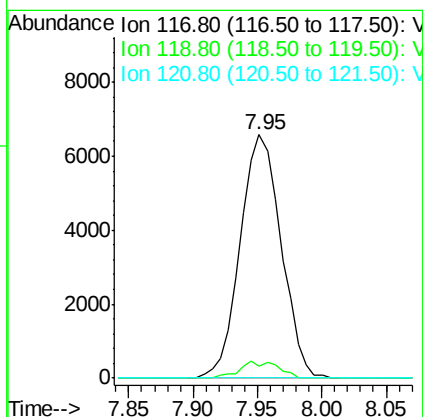
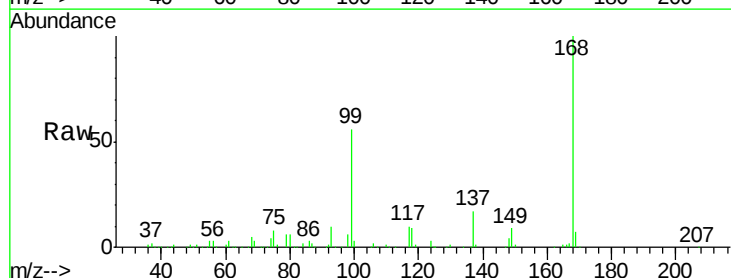
Instrument :
 MSVOA_W
 ClientSampleId :
 #2

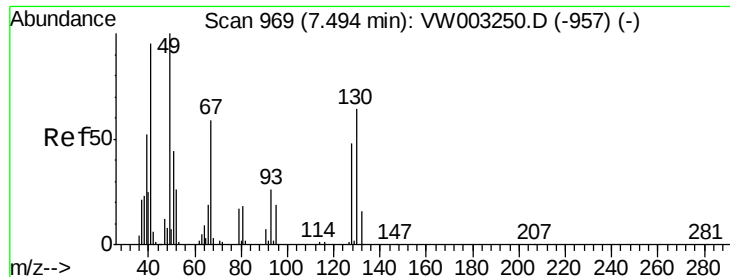
Tgt Ion: 75 Resp: 11714
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.1 51.3#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.263 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003284.D
 Acq: 15 Jun 2018 04:42

Tgt Ion: 117 Resp: 14469
 Ion Ratio Lower Upper
 117 100
 119 5.1 76.6 115.0#
 121 0.0 23.9 35.9#

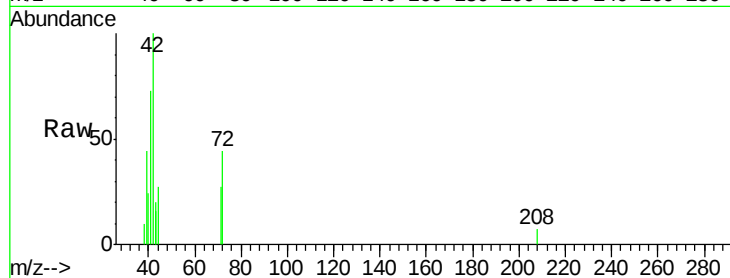




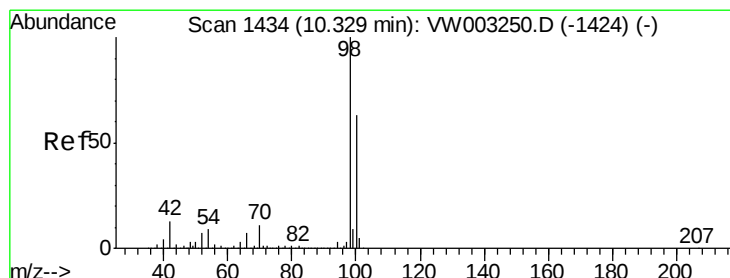
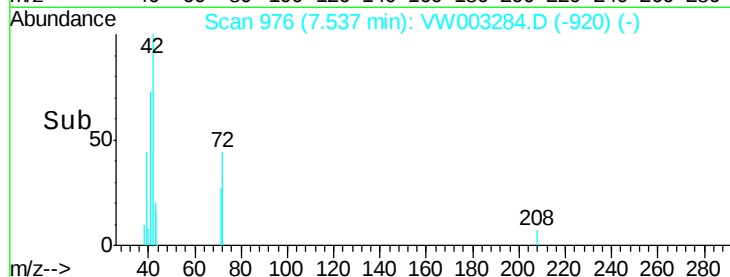
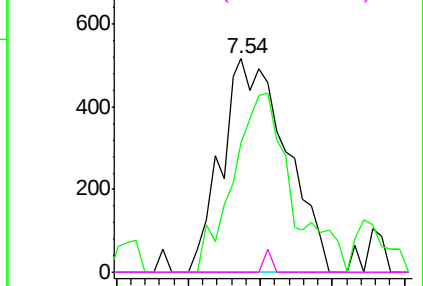
#41
Methacrylonitrile
Concen: 2.691 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.04 min
Lab File: VW003284.D
Acq: 15 Jun 2018 04:42

Instrument :
MSVOA_W
ClientSampleId :
#2

Tgt Ion:	41	Resp:	1611
Ion	Ratio	Lower	Upper
41	100		
39	66.5	45.8	68.8
67	0.0	52.3	78.5#
52	1.2	24.1	36.1#

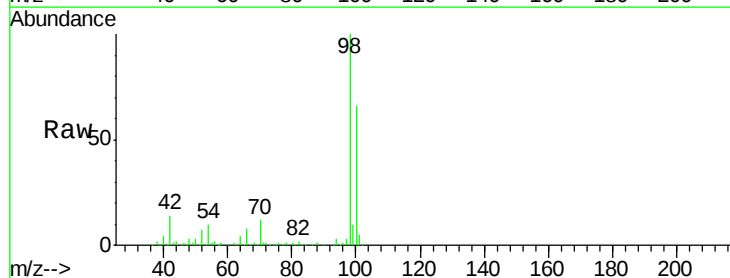


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

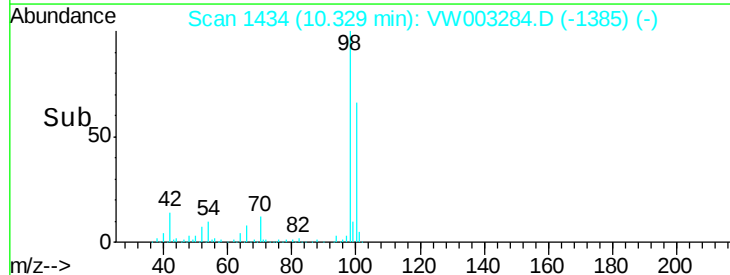
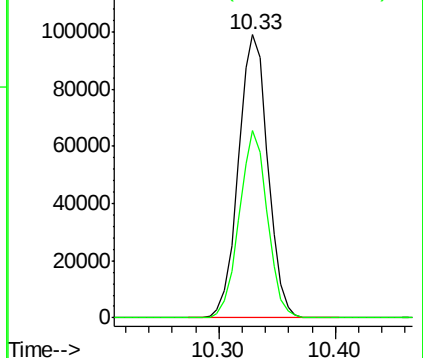


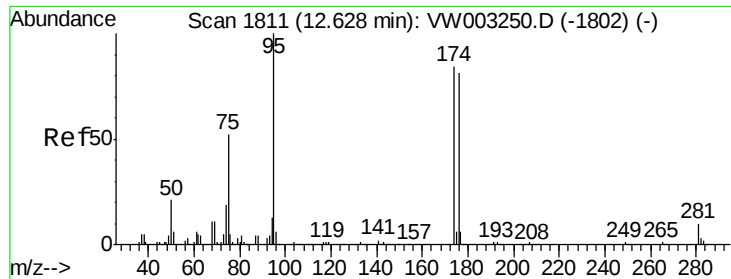
#50
Toluene-d8
Concen: 29.016 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003284.D
Acq: 15 Jun 2018 04:42

Tgt Ion:	98	Resp:	174356
Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.8	76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 25.258 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW003284.D

Acq: 15 Jun 2018 04:42

Instrument :

MSVOA_W

ClientSampleId :

#2

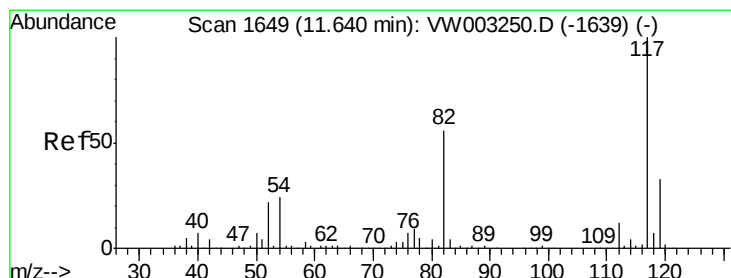
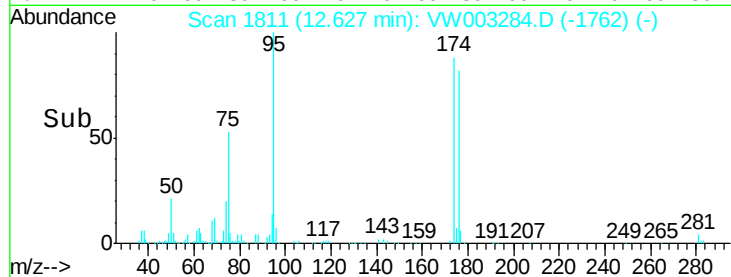
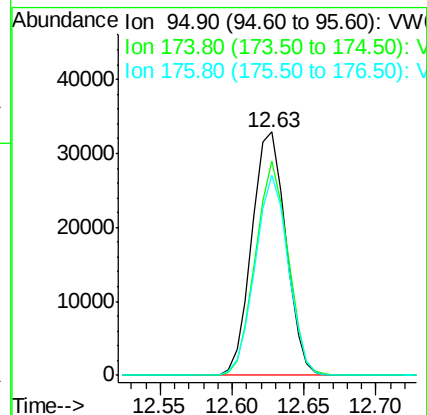
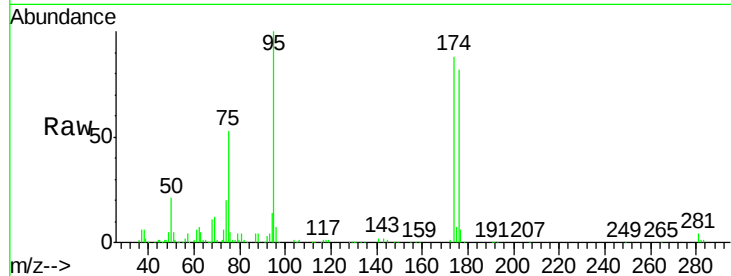
Tgt Ion: 95 Resp: 53713

Ion Ratio Lower Upper

95 100

174 84.3 0.0 166.4

176 80.1 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW003284.D

Acq: 15 Jun 2018 04:42

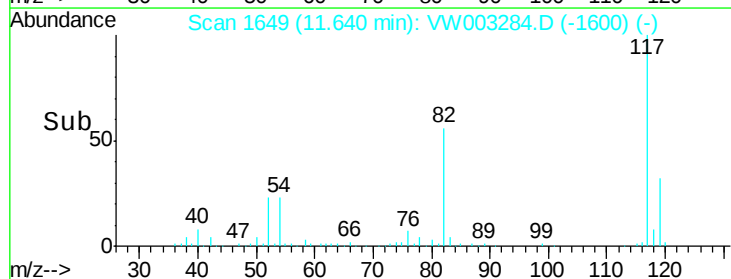
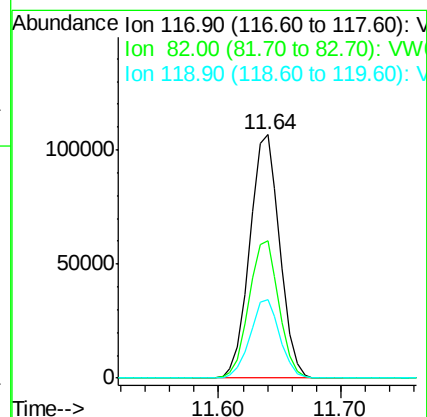
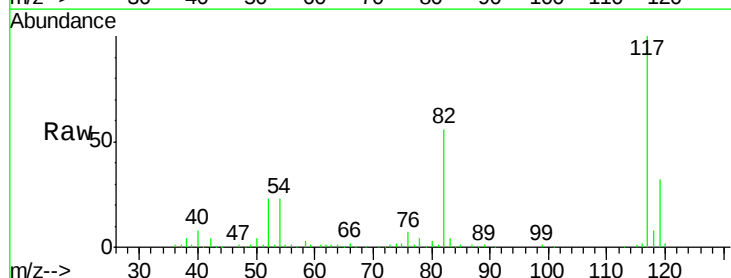
Tgt Ion: 117 Resp: 181639

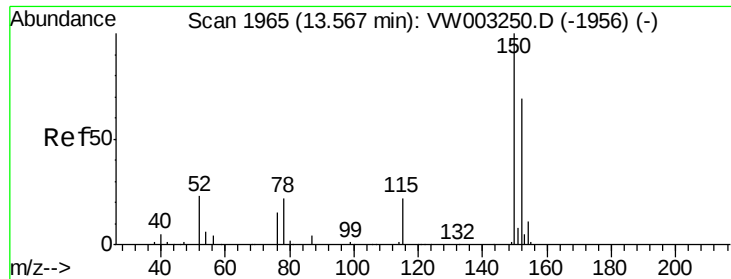
Ion Ratio Lower Upper

117 100

82 56.4 44.6 67.0

119 32.2 26.7 40.1



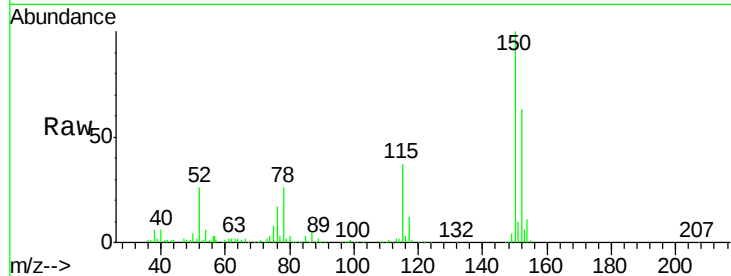


#72

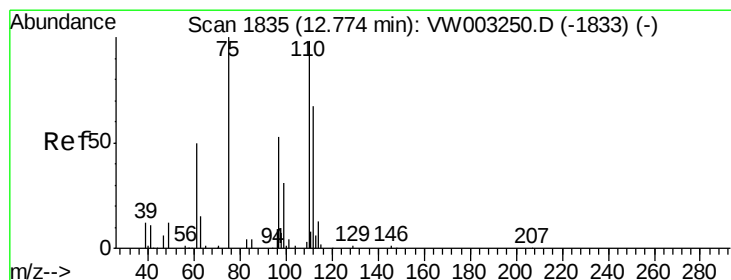
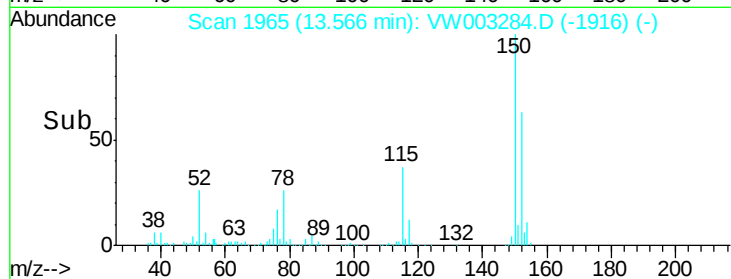
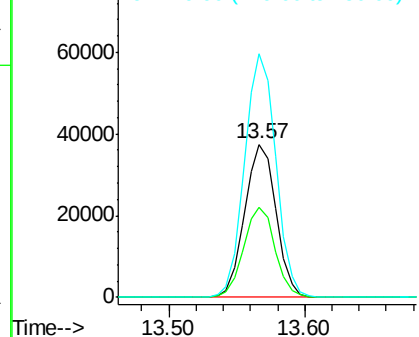
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003284.D
Acq: 15 Jun 2018 04:42

Instrument :
MSVOA_W
ClientSampleId :
#2

Tgt Ion:152 Resp: 60461
Ion Ratio Lower Upper
152 100
115 58.6 29.3 88.0
150 158.0 0.0 349.6



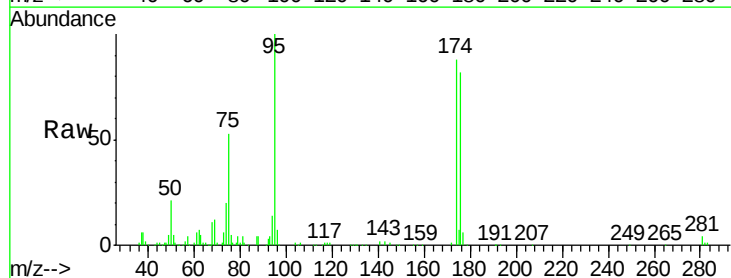
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



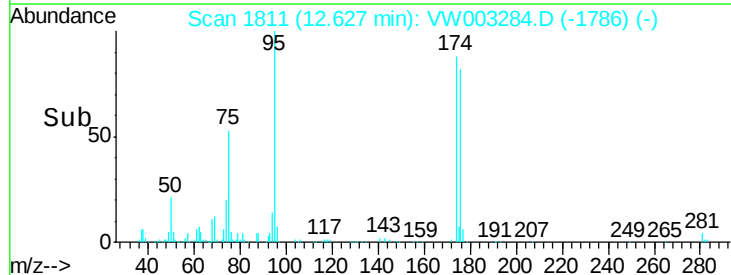
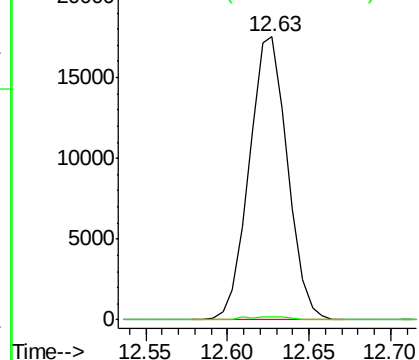
#76

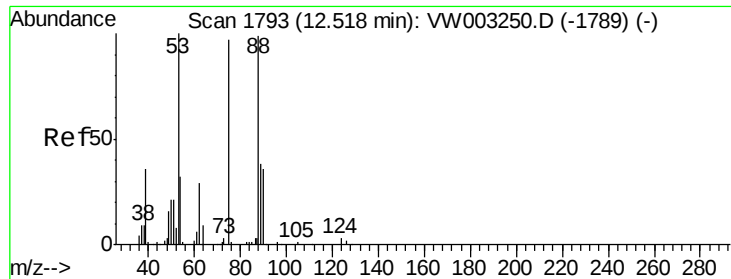
1,2,3-Trichloropropane
Concen: 55.288 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.15 min
Lab File: VW003284.D
Acq: 15 Jun 2018 04:42

Tgt Ion: 75 Resp: 28577
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 127.222 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.11 min

Lab File: VW003284.D

Acq: 15 Jun 2018 04:42

Instrument :

MSVOA_W

ClientSampleId :

#2

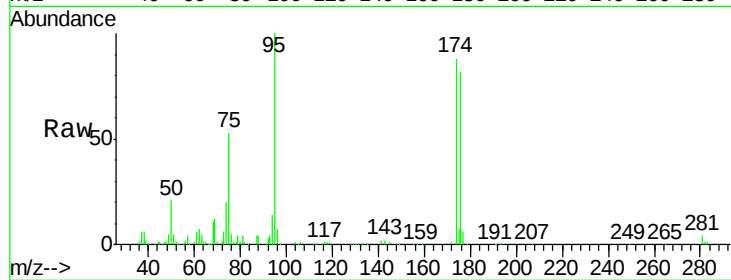
Tgt Ion: 75 Resp: 28577

Ion Ratio Lower Upper

75 100

53 0.4 82.9 124.3#

89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

